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ARTICLE TYPE

Enhanced photoelectrochemical performance of the hierarchical micro/nano-structure TiO₂ mesoporous spheres with oxygen vacancies via hydrogenation

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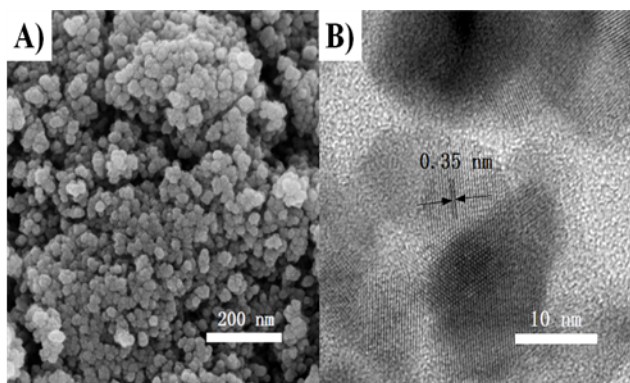
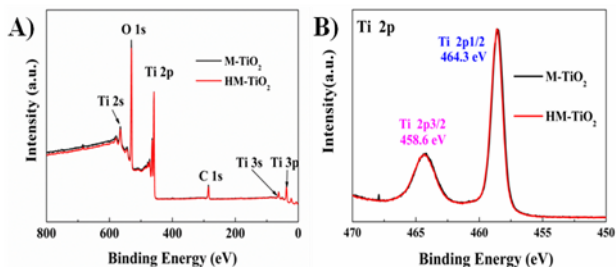
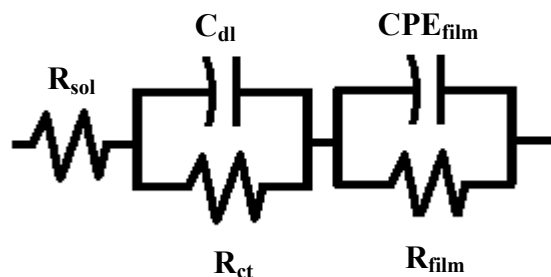


Fig. S1 a) SEM and b) HRTEM of HP-TiO₂



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Fig. S2 A) XPS survey spectra and B) Overlay of normalized Ti 2p XPS spectra of M-TiO₂ (black curve) and HM-TiO₂ (red curve).



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Fig. S3 Equivalent circuit model. R_{sol} is the solution resistance; R_{film} and CPE_{film} are the resistance and capacitance of the thin-film photoelectrode, respectively; R_{ct} is charge transfer resistance; and C_{dl} is double layer capacitance.

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